Date: November 30, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: REZNEK et al. Examiner: Unassigned

Application No.: 10/650,124 Group Art Unit: 3623

Filed: August 27, 2003 Confirmation No.: 5523

Docket No. CBK03073 (3600-374-44)

For: METHODS OF SPECIFYING OR IDENTIFYING PARTICULATE MATERIAL

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

November 30, 2004

PTO did not receive the following

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. Pursuant to the current United States Patent and Trademark Office rules, no copies of U.S. Patents/Patent Application Publications are provided.

This Supplemental Information Disclosure Statement is being submitted after expiration of the three-month period following filing of the above-captioned application, but before an Office Action on the merits and before any Final Office Action or Notice of Allowance.

Should a first Office Action cross in the mail with the filing of this Supplemental Information Disclosure statement, then applicants respectfully petition under 37 C.F.R.§ 1.97(c) to consider the documents set forth in the Supplemental Information Disclosure Statement.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. See 37 CFR 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application,

Supplemental Information Disclosure Statement

U.S. Patent Application No. 10/650,124

and that the documents cited in the attached Form PTO-1449 be made of record therein and appear

on the first page of any patent to issue therefrom.

This submission does not represent that a search has been made or that no better art exists

and does not constitute an admission that each or all of the listed documents are material or

constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in

this application and applicant determines that the cited documents do not constitute "prior art" under

United States law, applicant reserves the right to present to the office the relevant facts and law

regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of

the disclosed invention over the listed documents, should one or more of the documents be applied

against the claims of the present application.

It is believed that no fee is required to make this a complete and timely filing. However, if it

is determined that a petition or fee is required, the Commissioner is hereby authorized to charge any

fee associated with this statement to our Deposit Account No. 50-0925 and please consider this a

petition.

Respectfully submitted,

Reg. No. 33.25

Atty. Docket No.: CBK03073 (3600-374-44)

KILYK & BOWERSOX, P.L.L.C.

53 A East Lee Street

Warrenton, VA 20186

Tel.:

(540) 428-1701

Fax:

(540) 428-1720

Enclosures:

Form PTO-1449 and 56 documents

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FORM PTO-14 (REV 7-80)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Atty. Docket No. CBK03073 (3600-374-44) APPLICANT: REZNEK et al.

Application No. 10/650,124

Filing Date: August 27, 2003

Group Art Unit: 3623

			U.S. PA	ATENT DOCUME	NTS			
EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE	
		5,190,739	5/2/93	MacKay et al.	423	450		
		5,211,932	5/18/93	Blaylock et al.	423	450		
		5,688,317	11/18/97	MacKay et al.	106	476		
		5,974,167	10/26/99	Reszler	382	141		
		6,156,837	12/5/00	Branan, Jr. et al.	524	495		
		2003/0162876 A1	8/28/03	Vanier et al.	524	437		
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
	Attac	hment A - Developme	nt History					
	Strom, "Wetting studies related to offset printing," Vol. 50-04C, pp. 768 (1988) Abstract only Tikhonov, "On the evaluation of the work of adhesion, cohesion, and surface tension of high - viscous and solid							
	bodies," Kolloidn Zh, Vol. 53, No. 3, pp. 552-558 (1991) Abstract only Janczuk, et al., "Surface free energy components and adsorption properties of some porous glasses," Mater Phys. Vol. 25, No. 2, pp. 185-198 (1990) Abstract only						-6	
							s glasses," Mater Cher	
	Janczuk, et al., "Surface free energy of celestite and its flotation activity," Colloids Surf. Vol. 35, No. (1989) Abstract only					Vol. 35, No. 1, pp. 41-		
	Wojcik et al., "Gas-adsorption studies on correlations between the flotability of minerals and the work adhesion to their surfaces," Colloids Surf. Vol. 30, No. 3-4, pp. 275-285 (1988) Abstract only							
	Lipatov, "Adhesion at the polymer mixtures-solid interface (1994) Abstract only Hill, "Wall slip in polymer melts: A pseudo-chemical mod Abstract only	ures-solid interface,"	Vide, Cou	ches Minces, Vol.	50 (274), pp. 415-420			
		udo-chemical model	," J. Rheol.	Vol. 42, No. 3, pp	o. 581-601 (1998)			
	Scheie, "The upward force on liquid in a capillary tube," Am. J. Phys. Vol. 57, No. 3, pp. 278-289 (Abstract only Lee et al., "Effects of polymer-filler interaction on the mechanical properties of nylon 6,6 filled with organosilane-treated fillers," J. Adhes. Sci. Technol., Vol. 3, No. 4, pp. 291-303 (1989) Abstract only				ol. 57, No. 3, pp.	278-289 (1989)		
	Abramzon et al., "Determination of the work of adhesion and cohesion" ZH. Prikladnoi Khim, Vol. 53, No. 1040-1043 (1980) Abstract only					(him, Vol. 53, No. 5, p		
	polye	gipudi et al., Direct me ethylene films: Determ 251-1270 (1994) Absti	ination of sur					
	Owen, "Surface properties of silicone release coatings," Proc. First Internat. Congress on Adhesion Science and Technology, pp. 255-263 (1995) Abstract only							
Kaya, "The effect of pore fluid contamination on (Adsorption, Conductivity), Vol. 57-05B, p. 335					mical parameters	of fine grained soils		

FORM PTO-1449 (REVER-80)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

.	Atty. Docket No.
7	Atty. Docket No. CBK03073 (3600-374-44)

Application No. 10/650,124

APPLICANT: REZNEK et al.

Filing Date: August 27, 2003

Group Art Unit: 3623

	Qin, "Adhesion properties of polymeric materials (Asphalts, Cohesion), Vol. 57-02B, p. 1260 (1995) Abstract only
	Stepanov, "Electrocapillary behaviour of liquid bismuth in binary melts of strontium chloride with sodium and cesium chlorides," Ehlektrokhimiya, Vol. 30, No. 8, pp. 1032-1038 (1994) Abstract only
	Kulawik, et al., "Kinetics of the molecular interactions in some extraction system," ISEC '88 International solvent extraction Conference, Vol. 2, pp. 77-78 (1988) Abstract only
·	Nardin et al., "Stress transfer analysis in fibre/elastomer interfaces," Comptes-Rendus des Huitiemes Journess Nationales sur les Composites, "pp. 289-300 (1992) Abstract only
	Maugis, "Adherence and Fracture Mechanics," Adhesive Bonding, pp. 303-335 (1991) Abstract only
	Wan et al., "Surface forces at crack interfaces in mica in the presence of capillary condensation," Acta Metallurgia et Materialia, Vol. 38, No. 11, pp. 2073-2083 (1990) Abstract only
	Savenko et al., "Effect of diamond-like carbon coatings on the mechanical properties of subsurface layers of single crystals of silicon," Physics and Chemistry of Materials Treatment, Vol. 31, No. 2, pp. 149-153 (1997) Abstract only
je santi ^g	Lellig et al., "Glass and polymer: wetting and adhesion," Glass Science and Technology, Vol. 69, No. 11, pp. 357-367 (1996) Abstract only
	Maugis, "Adherence of elastomers: fracture mechanics aspects," Journal of Adhesion, Vol. 23, No. 1, pp. 61-66 (1987) Abstract only
	Riande et al., "Fundamental aspects of the adhesion of polymers," Revista de Plasticos Modernos, Vol. 80, No. 530, pp. 170-179 (2000) Abstract only
	Gilbert, "Surface treatments for particulate fillers in plastics," Plastics Additivies. AN A-Z reference, pp. 590-603 (1998) Abstract only
	Maltese, "Interfacial energy between polymers," Materie Plastiche ed Elastomeri, VBol. 64, Nos. ½, pp. 74-78 (1999) Abstract only
	Cherry et al., "Predicting work of adhesion using molecular modeling," Adhesion '96, Conference Proced., Vol. 1, pp. 299-304 (1996) Abstract only
	Feinerman et al., "Rule of interfacial equilibrium," J. Adhesion, Vol. 60, Nos. 1-4, pp. 99-112, (1997) Abstract only
1.01	Geraghty et al., "Investigation of parameters influencing bioadhesive properties of myverol 18-99/water gels," Biomaterials, Vol. 18, No. 1, pp. 63-67 (1997) Abstract only
	Wimolkiatisak et al., "Directly paintable, high adhesion polyolefin compounds, Plast' 21 No. 43, pp. 44-47 (1995) Abstract only
	Drzal, et al., "Adhesion of carbon fibres to polycarbonate matrices: interphase composition and structure," Antec '95. Vol. II, Conference Proceedings, pp. 2877-2881 (1995) Abstract only
	Moore, "Wetting in rubber-to-metal bonding agents," Rubb. Plast. News, Vol. 24, No. 7, pp. 17-18 (1994) Abstract only
	Mangipudi et al., "Adhesion of thin polymer films: Effects of surface and interfacial energies and rheological properties," Antec '93 Conference Proceedings, Vol. III, pp. 3099-3100, (1993) Abstract only
	Bautista et al., "Surface characterization of polypropylene used as a matrix in composite materials," Rev. Plast. Mod. Vol. 66, No. 449, pp. 505-509 (1993) Abstract only
L	

FORM PTO-1449 (REV 720) DEC 0 7 2004 Ajfy. Docket No. \$BK03073 (3600-374-44) \$APPLICANT: REZNEK et al. Application No. 10/650,124 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT Filing Date: August 27, 2003 Group Art Unit: 3623

Pritykin et al., "New thermodynamic characteristics of polymer adhesive properties," International Adhesion Conference, p 11.1-3 (1984) Abstract only
Moskvitin, "Physiocochemical Principles of Gluing and Adhesion processes, NSF, Rpt. No. SFCSI-Agr (TT-68-50368, p. 197 (1969) Abstract only
Mayne, "Further developments with epoxy/polyamine films," Corros. Sci., Vol. 35, Nos. 5/8, pp. 1359-1361 (1993) Abstract only
Padday, "Spreading, wetting, and contact angles," J. Adhes. Sci. Tech., Vol. 6, No. 12, pp. 1347-1358 (1992) Abstract only
Mark, "Future improvements in cohesive and adhesive strength of polymers. I.," Adhesives Age, Vol. 22, No. 7, pp. 35-40 (1979) Abstract only
Hansen, "The three dimensional solubility parameter - key to paint component affinities: I. Solvents, Plasticizers, Polymers, and Resins," Journal of Paint Technology, Vol. 39, No. 505, pp. 104-117 (1967)
Hansen, "The three dimensional solubility parameter - key to paint component affinities: II and III - II. Solvents, Plasticizers, Polymers, and Resins," Journal of Paint Technology, Vol. 39, No. 511, pp. 505-510 (1967)
 Hansen, "III. Independent calculation of the parameter components," Journal of Paint Technology, Vol. 39, No. 511, pp. 511-514 (1967)
Hansen et al., "On the use of cohesion parameters to characterize surfaces," J. Adhesion, Vol. 15, pp. 275-286 (1983)
Hansen, "Cohesion parameters for surfaces, pigments, and fillers," Surface Coatings International Vol. 8, pp. 386-391, (1997)
Shareef et al., "Suspension interaction of pigments in solvents: characterization of pigment surfaces in terms of three-dimensional solubility parameters of solvents," Journal of Coatings Technology, Vol. 58, No. 733, pp. 35-44 (1986)
Vinther, "Application of the concepts solubility parameter and pigment charge," Chemie des Peintures Engl. Vol. 34, No. 10, pp. 363-372 (1971)
Schreiber, "Solvent balance, dispersion and rheological properties of pigmented polymer compositions," Journal of Paint Technology, Vol. 46, No. 598, pp. 35-39 (1974)
Burrell, "The challenge of the solubility parameter concept," Journal of Paint Technology, Vol. 40, No. 520, pp. 197-208 (1968)
Trudgian, "The pattern of solvent-resin-pigment affinities," Official Digest, Presented at the 41st Annual Meeting of the Federation of Societies for Paint Technology, pp. 1210-1231 (1963)
Schroder, Colloid chemistry aids to formulating inks and paints, Harmonization of the energetics of raw materials by using the solubility parameter concept," Vol. 5, No. 98, pp. 334-340 (no date)
Chasey, "Methods for evaluating oil/polymer interactions in carbon black filled compounds," Rubber World, pp. 35-40 (1993)
Wolff, et al., "Filler-elastomer interactions. Part VII. Study on bound rubber," Rubber Chemistry and Technology, Vol. 66, No. 2, pp. 163-177 (1993)
Barton, "CRC Handbook of solubility parameters and other cohesion parameters," pp. 1-21, (1991)
Kaya, et al., "Interfacial parameters and work of adhesion in soil-liquid systems," Geotechnical Testing Journal, Vol. 23, No. 4, pp. 464-471 (2000)

Page 4 of 4 DEC 0 2 700ktty. Docket No. CBK03073 (3600-374-44) FORM PTO-1449 (REV 7-80) Application No. 10/650,124 SUPPLEMENTAL INFORMATION PLICANT: REZNEK et al. Filing Date: August 27, 2003 **DISCLOSURE STATEMENT** Group Art Unit: 3623

	Skaarup, "The three dimensional solubility parameter and its use - II. Pigmented Systems," pp. 28-42 (1)			
	Grubenmann, "The solvent dependence of the solubility investigation by means of an organic pigment," Dyes an			
EXAMINER		DATE CONSIDERED		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.